Features

- Microcontroller based technology.
- Ability to select multiple modes of operation.
- Adaptive controller to numerous applications.
- Configuration via LCD display and navigation buttons.
- Over voltage protection and short circuit.
- High diversity of communication protocols.
- Digital outputs with high voltage isolation, available in 24V, 12V or 5V.
- Digital inputs with high voltage isolation, driven by voltage or dry contact.

Optional Features

- Multiple inputs and outputs available:
  - 6 digital outputs (expandable up to 12).
  - 2 analog inputs.
  - 4 digital inputs.
  - 1 analog input for light sensor.
- Real time clock and calendar - RTCC
- Ability to schedule different configurations.
- Communication protocols:
  - RS232, RS422, RS485, USB, SPI, Ethernet
- Configuration Software.

Specifications

Modes of Operation:

- Always On, Flashing and Sequential (other modes of operation available on request)

Electrical:

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>12V DC</th>
<th>24V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Consumption</td>
<td>16 mA</td>
<td>11 mA</td>
</tr>
<tr>
<td>Output Voltage</td>
<td>12 V DC</td>
<td>24V DC</td>
</tr>
<tr>
<td>Outputs Number</td>
<td>6 (Expandable up to 12)</td>
<td></td>
</tr>
<tr>
<td>Maximum Current by Output</td>
<td>2A</td>
<td></td>
</tr>
<tr>
<td>Total Maximum Output Current</td>
<td>10A</td>
<td></td>
</tr>
<tr>
<td>Power Cable</td>
<td>Brown (+), Blue (-)</td>
<td></td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-13°F to +185°F (-25°C to +85°C)</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical:

- Material: PVC
- Weight: 1 lb. (.45 kg)
- Protection Index: IP56
- Dimensions: 7.87” (200mm) length x 6.3” (160mm) width x 3.15” (80mm) height
TS-PC500
Programmable Controller

Visit our web site: www.xwalk.com
### TS-PC-500

<table>
<thead>
<tr>
<th>Models</th>
<th>Description</th>
<th>Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS-PC500-00000001</td>
<td>Microcontroller TS-PC500 with 1 Output</td>
<td>1</td>
</tr>
<tr>
<td>TS-PC500-00000002</td>
<td>Microcontroller TS-PC500 with 2 Outputs</td>
<td>2</td>
</tr>
<tr>
<td>TS-PC500-00000003</td>
<td>Microcontroller TS-PC500 with 3 Outputs</td>
<td>3</td>
</tr>
<tr>
<td>TS-PC500-00000004</td>
<td>Microcontroller TS-PC500 with 4 Outputs</td>
<td>4</td>
</tr>
<tr>
<td>TS-PC500-00000005</td>
<td>Microcontroller TS-PC500 with 5 Outputs</td>
<td>5</td>
</tr>
<tr>
<td>TS-PC500-00000006</td>
<td>Microcontroller TS-PC500 with 6 Outputs</td>
<td>6</td>
</tr>
</tbody>
</table>

**Add-Ons:**
- TS-PC500-1XXXXXXXX: Clock
- TS-PC500-X1XXXXXXXX: LDR
- TS-PC500-XX1XXXXXXXX: USB
- TS-PC500-XXX1XXXXXXXX: SPI
- TS-PC500-XXXX1XXX: RS422
- TS-PC500-XXXXXXXX: Analog Inputs (1…2)
- TS-PC500-XXXXXXXXXX: Digital Inputs (1…4)
- TS-PC500-XXXXXXXX/ETH: Ethernet

**OBS.:**
- The operating modes (Always ON / Flashing / Sequential) are standard
- For radar option is necessary to add an input